

# Converting Colors

$Y_{xy}(65.1579, 0.3145, 0.2974)$

Have a look what the booklet for  
Yxy(65.1579, 0.3145, 0.2974)  
contains.

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# Color

**Yxy(65.2231, 0.3142, 0.2972)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CAE8
RGB	232, 202, 232
RGB Percent	91%, 79%, 91%
CMY	0.0903, 0.2078, 0.0903
CMYK	0.00, 0.13, 0.00, 0.09
HSL	300°, 39%, 85%
HSV	300°, 13%, 91%
XYZ	68.9539, 65.2231, 85.2816
YIQ	214.3900, 8.2500, 15.6900

# Conversions

## Conversions Part 2

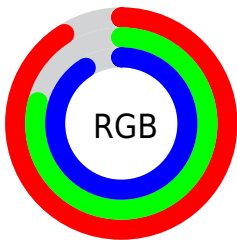
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 202, 232
Decimal	15256296
CIE Lab	84.60, 15.66, -10.91
CIE LCh	85, 19.085, 325.128
Yxy	65.2231, 0.3142, 0.2972
Android (android.graphics.Color)	4293446376 (0xFFE8CAE8)
YUV	214.3900, 8.6817, 15.4440
Hunter-Lab	80.7608, 11.0725, -6.0763

# Details

The Yxy color **65.2231, 0.3142, 0.2972** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.5269, 0.3111, 0.3630**, and the grayscale version is **67.4567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.5445, 0.3145, 0.2904** is the 20% darker color. If you saturate the color by 10%, you get **55.1431, 0.3154, 0.2721**, and if you desaturate by 10%, it is **76.9451, 0.3130, 0.3219**.

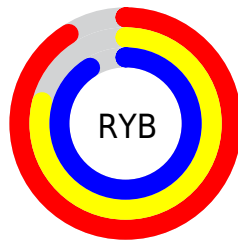
# Distribution



Red (91%)

Green (79%)

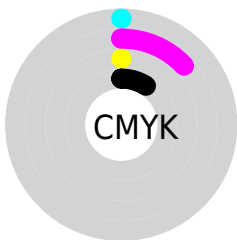
Blue (91%)



Red (91%)

Yellow (79%)

Blue (91%)

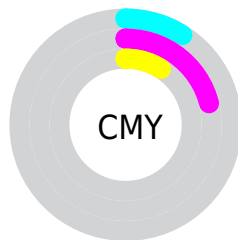


Cyan (0%)

Magenta (13%)

Yellow (0%)

Black (9%)



Cyan (9%)

Magenta (21%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2231, 0.3142, 0.2972 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 65.2231, 0.3142, 0.2972 by changing the saturation by 10% instead.



65.2231, 0.3142,  
0.2972

65.2231, 0.3142,  
0.2972

443.5933, 0.3137,  
0.3118

47.6420, 0.3143,  
0.2939

112.3705, 0.3140,  
0.3023

33.5435, 0.3144,  
0.2898

142.7057, 0.3140,  
0.3042

22.5431, 0.3145,  
0.2846

178.0610, 0.3139,  
0.3059

14.2565, 0.3145,  
0.2779

218.8208, 0.3139,  
0.3074

8.2993, 0.3145,  
0.2688

265.3695, 0.3138,  
0.3087

4.2870, 0.3143,  
0.2557

318.0916, 0.3138,

1.8354, 0.3135,

0.3099

0.2356

377.3714, 0.3137,  
0.3109

0.5091, 0.3165,  
0.1860

0.0000, 0.0000,  
0.0000

65.2231, 0.3142,  
0.2972

65.2231, 0.3142,  
0.2972

55.1431, 0.3154,  
0.2721

76.9451, 0.3130,  
0.3219

46.6238, 0.3165,  
0.2474

90.3689, 0.3119,  
0.3457


39.5898, 0.3176,  
0.2240

94.4994, 0.3116,  
0.3523


33.9561, 0.3186,  
0.2029


94.5007, 0.3116,  
0.3523

 29.6291, 0.3194,  
0.1850


 94.5021, 0.3116,  
0.3523

 26.5038, 0.3201,  
0.1711


 94.5035, 0.3116,  
0.3523


 24.4589, 0.3205,  
0.1614

 94.5048, 0.3117,  
0.3523

 23.3481, 0.3207,  
0.1560

 94.5062, 0.3117,  
0.3523

 22.9635, 0.3208,  
0.1541

 94.5075, 0.3117,  
0.3523

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.2231, 0.2910, 0.2896



65.2231, 0.3142, 0.2972



65.2231, 0.3378, 0.3124

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.2231, 0.3142, 0.2972



65.2231, 0.3521, 0.3663



65.2231, 0.2723, 0.3236

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



65.2231, 0.3142, 0.2972



74.5269, 0.3111, 0.3630

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



65.2231, 0.2875, 0.3461



65.2231, 0.3142, 0.2972



65.2231, 0.3335, 0.3713

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2231, 0.3142, 0.2972



65.2231, 0.3601, 0.3516



65.2231, 0.3098, 0.3640



65.2231, 0.2675, 0.3038



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2231, 0.3142, 0.2972



65.2231, 0.3502, 0.3253



65.2231, 0.3098, 0.3640



65.2231, 0.2763, 0.3312

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



65.2259, 0.3142, 0.2972



93.6632, 0.3132, 0.3192



60.8697, 0.2922, 0.2956



19.8009, 0.3133, 0.3174



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2259, 0.3142, 0.2972



77.9744, 0.3145, 0.2918



64.4385, 0.3247, 0.3123



14.6150, 0.3138, 0.3059



12.7513, 0.3208, 0.1541



0.9424, 0.3208, 0.1541



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.6685, 0.3363, 0.3291



75.7544, 0.3409, 0.3291



75.2440, 0.3022, 0.3463



14.3681, 0.3293, 0.3290



9.5244, 0.6400, 0.3299



0.7038, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 65.2231, 0.3142, 0.2972 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

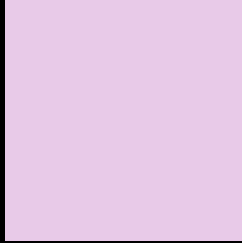
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2231, 0.3142, 0.2972 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

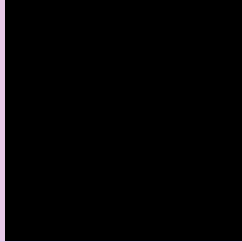
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2231, 0.3142, 0.2972**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2231, 0.3142, 0.2972.



This preview shows how white text looks on a background with the Yxy color 65.2231, 0.3142, 0.2972.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

65.2231, 0.3142, 0.2972

### Protanopia

65.4730, 0.2926, 0.2991

### Deuteranopia

65.1201, 0.3081, 0.3008



## Tritanopia

65.1760, 0.3212, 0.3117

# Trichromacy



**Original Color**

65.2231, 0.3142, 0.2972

**Protanomaly**

65.2227, 0.3002, 0.2984

**Deuteranomaly**

65.1240, 0.3103, 0.2999

**Tritanomaly**

65.0826, 0.3191, 0.3065

# Monochromacy



**Original Color**

65.2231, 0.3142, 0.2972

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

66.6858, 0.3133, 0.3169

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2231, 0.3142, 0.2972 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(232, 202, 232)` looks like.

```
.text, #text, p{  
    color:rgb(232, 202, 232)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 202, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 202, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2231, 0.3142, 0.2972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 202, 232) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(232, 202, 232) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(232, 202, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 202, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 202, 232);  
box-shadow:4px 4px 4px 4px rgb(232, 202,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2231, 0.3142, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 202, 232) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
202, 232) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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